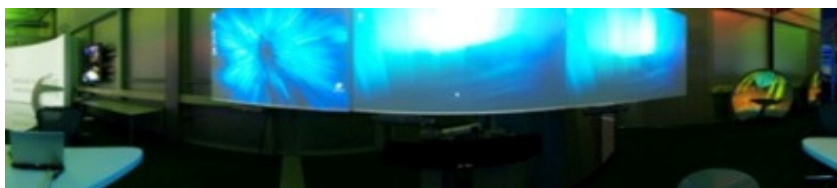


VISIONAIR

A WORLD-CLASS INFRASTRUCTURE FOR ADVANCED 3D VISUALIZATION-BASED RESEARCH



Visionair calls for the creation of a European infrastructure for high level visualisation facilities that will be open to research communities across Europe and around the world. By integrating existing facilities, Visionair will create a world-class research infrastructure for conducting state-of-the-art research, thus significantly enhancing the attractiveness and visibility of the European Research Area (ERA).

Visionair was submitted to the European Commission on December 3rd, 2009. The EC response is expected during the second semester 2010.

THE VISIONAIR PROJECT GOALS

Current scientific challenges concern issues such as climate evolution, environmental risks, molecular biology, health, and energy. These issues require the management of increasingly complex and voluminous information, thus calling for the development of ever more powerful visualisation methods and tools.



The European Research Area must be able to compete with other global research agencies when addressing visualisation challenges. Hence, Visionair is expected to make significant contributions to raising ERA's competitiveness.

VISIONAIR TYPE OF SERVICES AND TARGET GROUPS

The Visionair partners propose to build a common infrastructure that will grant researchers access to high level visualisation facilities and resources.

Both physical access and virtual services will be provided by the infrastructure. Full access to visualization-dedicated software will be organised, while physical access to high level platforms will be partially accessible (about 20% of global usage) to other scientists, free of charge, based on the excellence of the project submitted. Indeed, researchers from Europe and around the world will be welcome to carry out their research projects using the visualisation facilities provided by the infrastructure.



THE VISIONAIR ACTORS

With 25 partners from 12 different countries, Visionair brings together several research groups and thus resembles previous European Networks of Excellence, such as INTUITION, VRL-KCiP (currently EMIRAcle) and Aim@shape, as well as research communities working on scientific computing and ultra-high quality imaging. Visionair plans to develop a club of scientific partners to provide broader exposure to the infrastructure it can offer to prospective scientists.

VISIONAIR PARTNERS MAP



PARTNERS LIST

Clockwise from Belgium to United Kingdom:

- European Manufacturing and Innovation Research Association, a cluster leading excellence (BE)
- University of Twente (NL)
- Royal Institute of Technology (SW)
- Fraunhofer-Instituts für Produktionsanlagen und Konstruktionstechnik (GE)
- RWTH Aachen University (GE)
- University of Kaiserslautern (GE)
- High Performance Computing Center Stuttgart (GE)
- Poznań Supercomputing and Networking Center (PL)
- Poznań University of Technology (PL)
- Computer and Automation Research Institute, Hungarian Academy of Sciences (HU)
- Technion - Israel Institute of Technology (IS)
- Laboratory for Manufacturing Systems & Automation (GR)
- Politecnico di Milano (IT)
- Consiglio Nazionale delle Ricerche (Istituto di Matematica Applicata e Tecnologie Informatiche / Istituto di Tecnologie Industriali e Automazione) (IT)
- Université de la Méditerranée (FR)
- i2CAT Foundation (ES)
- INPG Entreprise SA (FR)
- Grenoble INP (FR)
- Ecole Centrale de Nantes (FR)
- Institut National de Recherche en Informatique et Automatique (FR)
- Arts et Métiers ParisTech (FR)
- University College London (UK)
- Cranfield University (UK)
- University of Salford (UK)
- University of Essex (UK)

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